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MISCELLANEOUS COMMENTS ON PLANS & SPECS FOR
MOVEABLE SHELVING BUILDING A-18

PLANS

1 of 3 Shelving Layout

a. Has general work area (Contractor) been delineated? Paul will send layout

b. Will there be any problem with the '3-Deep' storage ~~[illegible]~~ in the fixed storage areas? No

c. Building wing locator on drawing - put on. D & B.

d. Increment locator on drawing - put on. Put 2nd floor on drawing

2 of 3 Electrical Plan

a. There seems to be some confusion as to what is existing and what is to be new work - clear up.

b. New Service for Shelving

(1) Is it on floor or overhead.

(2) How many circuits are available per Bay/Motors?

3 of 3 Existing Shelving Layout

a. No Questions

MISCELLANEOUS NOTES

a. A site location plan is needed delineating contractor entrance and egress points at the center.

b. Building entrance points for both material and personnel (contractor) should be more clearly delineated at some point in the plan set. Personnel will enter main door of P.C.O sign in

c. Contractor parking area/areas should be delineated on possibly the site plan. Badge Bldg

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d. Consideration should be given a site/building for the storage of salvage. If an open site is chosen vs. an enclosed building, weather conditions should be considered.

SPECIFICATIONS

1. Site inspection for prospective bidders is covered in spec time, place, contact, etc.

2. Does on bay (motor) carry the load of pushing the remaining bays - Are they synchronous in operation?

3. The number of test cycles needs to be spelled out. What would a typical days use be? 100 cycles of each bay - 2 weeks

4. Contractor shall notify the user ~~10~~ 5 days prior to starting test on mock-up.

5. Key components (motors, link belts, gears, pulleys, wheels, wheel bearings, relays, cords, switches, plugs, general chassis components) shall be visually inspected (without disassembly) for obvious signs of wear, deterioration or damage after the test cycle has been completed. This inspection shall be carried out by the user. Take electrician along

6. Size of mock-up actually depends on the basic working principal of the unit chosen. Under any and all circumstances, the motor/drive assembly should be tested under full scale load. The storage load may be simulated, however. The load imposed on the motor/drive unit by the actual structure and/or structurers of the storage assembly must not be simulated.

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7. Will the contractor have any problems as far as the delivery of materials to the site? - Security? Any problems with subcontractors?

8. The spec mentions the contractors responsibility for delivering 'prison-industry' shelving to the site - This material may already have been delivered to the site .

~~9. A CPM chart should be required of the contractor.~~

10. There are some conflicting areas in regards to lead times for review of plans and mock-up. Part of the plan requisition possibly may be omitted in lieu of the mock-up provided by the contractor.

11. What exact items will the contractor personnel be required to furnish, what form shall be used by these personnel?

12. Contractor should be notified that he should excercise extreme care in avoiding damage to delicate equipment presently installed in the work spaces.

13. Escort requirements should be more clearly indicated in the security section of the spec.

14. Is a contractor quality control section needed in the spec?

15. Should a set 'reaction time' be included in the contractors warranty - Present wording calls for a 'reasonable time' - What is a reasonable time in an emergency? - In a routine repair matter? - What is routine. What is an emergency?

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16. The painting of damaged items/areas is covered in the painting spec.

17. Should shelving ranges be 'opened' vs. 'cleared'?

18. The testing of the motor/drive/assembly should be continuous from increment to increment completion; i.e., increment #1 should be tested during the construction of increment #2 - Test #1 and #2 during the construction of #3, etc. Testing should be considered complete at the end of testing increment #4 and final acceptance by user. This test should be a 1 week minimum.

19. The existing maintenance clause in the spec may not be essential. This maintenance clause could be separated into a separate bid item for other FY 71 funds. This would tend to simplify the contract in the eyes of the contractor. A maintenance contract should not be required during the initial warrantee period - provided the warantee has a decent reaction time built in.

20. Is 30 fc sufficient illumination for the bottom shelf vs. 50 fc?

21.What should be the maximum? Motor/drive per circuit? Consideration should be given not only to electricity-fire safety hazards but also to personnel safety and also to a minimum down factor at and one time.

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AREAS	PRESENT CAPACITY	PROPOSED CAPACITY	INCREASE (CUBIC FEET)	PERCENT INCREASE INDIVIDUAL AREAS	PERCENT INCREASE ENTIRE HOLDINGS	EQUIPMENT COST	TOTAL COSTS
D & C	53,910	80,716 83230	26,806 29,320	50% 54%	24%		
D & B	67,470	105,502	38,032	58%	35%	$470,250	
D & A	49,800	79,366	29,566	59%	27%		
C & B	57,000	79,666	22,666	40%	21%		
C & A	39,330	53,530	14,200	31%	13%		
B & A	52,890	78,316	25,426	48%	24%		

MOVEABLE SHELVING - AGENCY RECORDS CENTER

AREA	CAPACITY (CU. FT.) PRESENT	PROPOSED	INCREASE	PERCENT INCREASE INDIVIDUAL AREA	PERCENT INCREASE ENTIRE HOLDINGS	EQUIPMENT COST	TOTAL * COSTS
"D" SECOND FLOOR ADDITION	32,190	53,276	21,086	65%	19%	$271,050	
"C" SECOND FLOOR ORIGINAL	21,720	27,440	5,720	26%	5%	175,750	
"B" FIRST FLOOR ADDITION	35,280	52,226	16,946	48%	16%	270,900	
"A" FIRST FLOOR ORIGINAL	17,610	26,090	8,480	48%	8%	162,500	
TOTALS	106,800	159,032	52,232	49%			

* INCLUDES A&E, INSPECTION, RENOVATION, AND OTHER COSTS.

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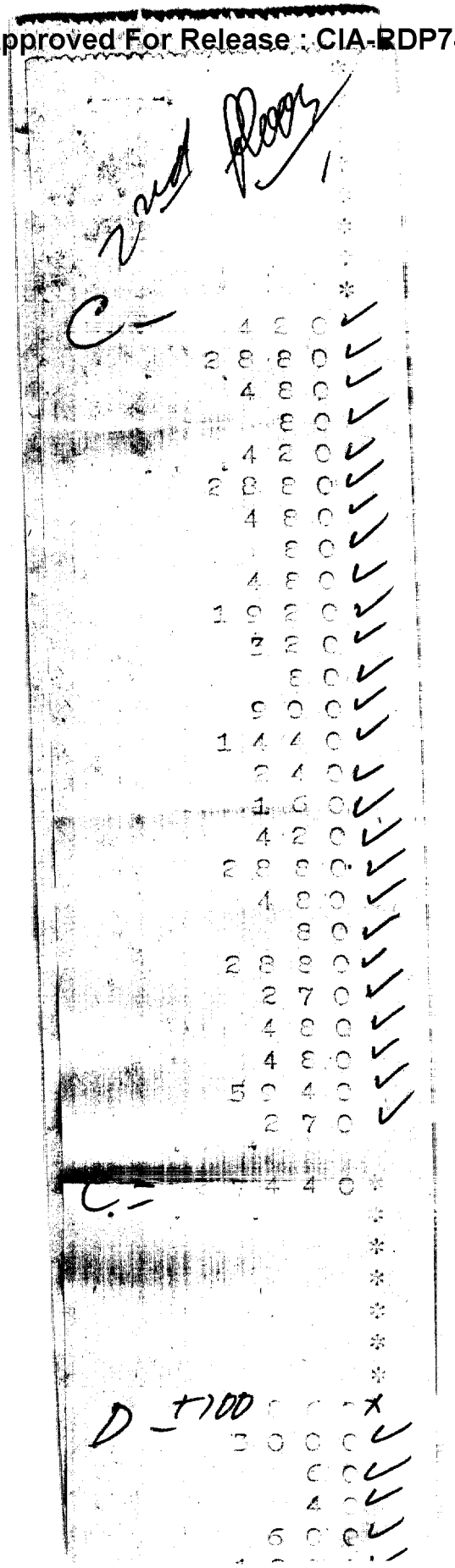

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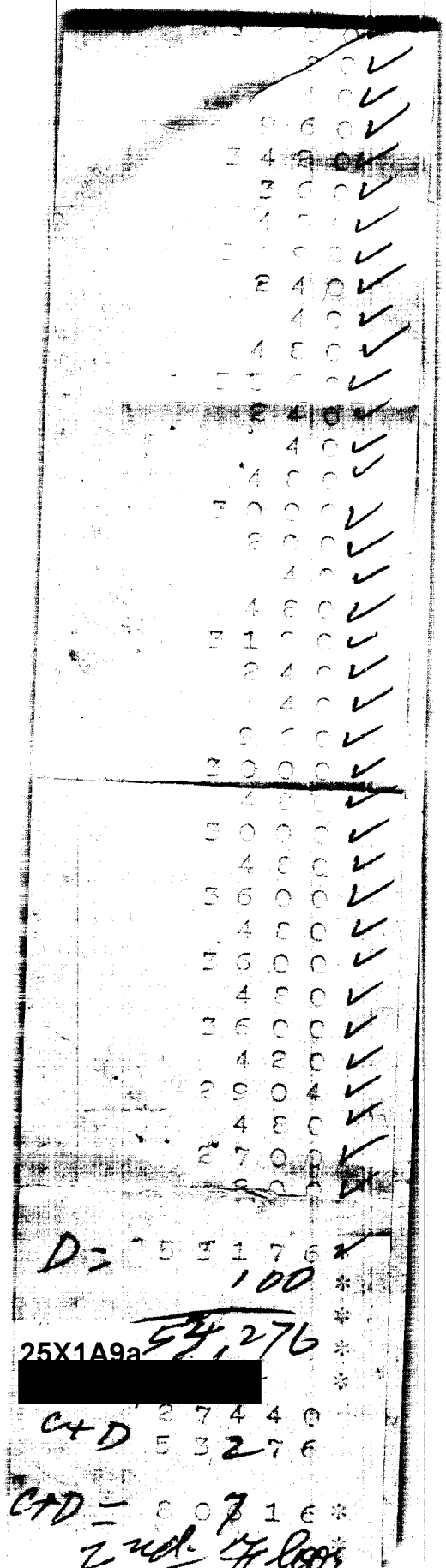

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TITLE	DOUBLE FACED FIXED SECTS		MOVEABLE SECTS		SINGLE FACED FIXED SECTIONS		MOVEABLE SECTS		DOUBLE FACED MOVEABLE SECTS 36"		FIXED SECTS 30"	
A	7	420	48	2,880	0		0		12	480	2	80
B	7	420	48	2,880	0		0		12	480	2	80
C	8	480	32	1,920	0		0		8	320	2	80
D	15	900	24	1,440	0		0		6	240	4	160
E	7	420	48	2,880	0		0		12	480	2	80
F	0		48	2,880	9	270	0		12	480	0	
G	8	480	99	5,940	9	270	0		0		0	
J	16	960	50	3,000	2	60	0		0		1	40
K	10	600	20	1,200	0		0		2	80	1	40
L	16	960	57	3,420	0		0		9	360	0	
M	8	480	60	3,492	0		0		6	240	1	40
N	8	480	60	3,560	0		0		6	240	1	40
O												
P	8	480	50	3,000	0		0		5	200	1	40
Q	8	480	52	3,120	0		0		6	240	1	40
R	16	960	50	3,000	0		0		0		0	
S	8	480	50	3,000	0		0		0		0	
T	8	480	60	3,600	0		0		0		0	
U	8	480	60	3,600	0		0		0		0	
V	8	480	60	3,600	0		0		0		0	
W	7	420	25	2,904	0		0		0		0	
X	8	480	45	2,700	0		0		5	200	0	

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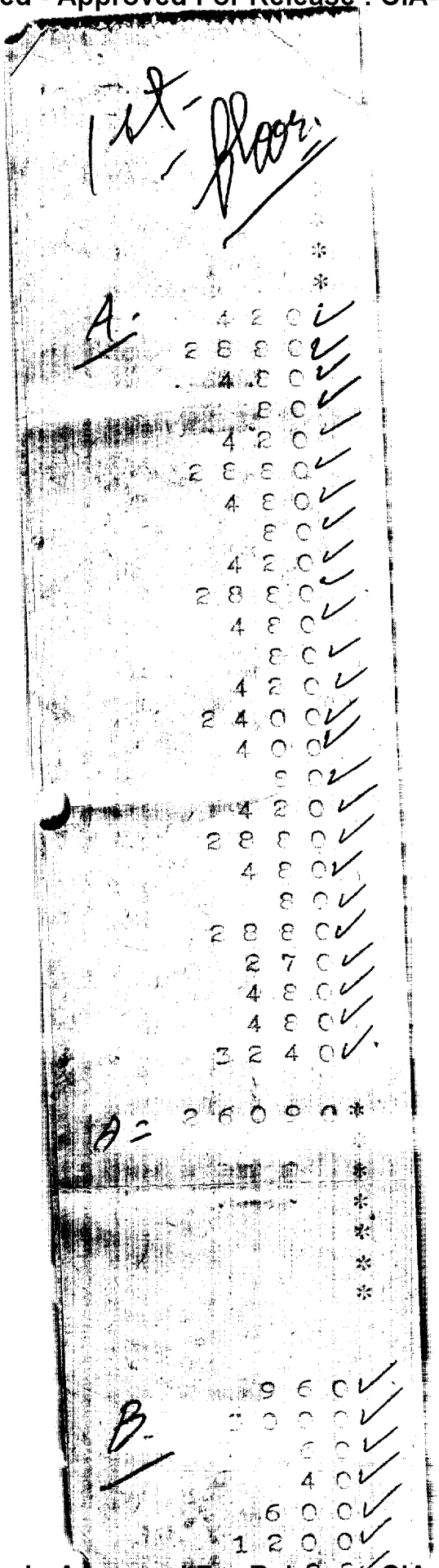

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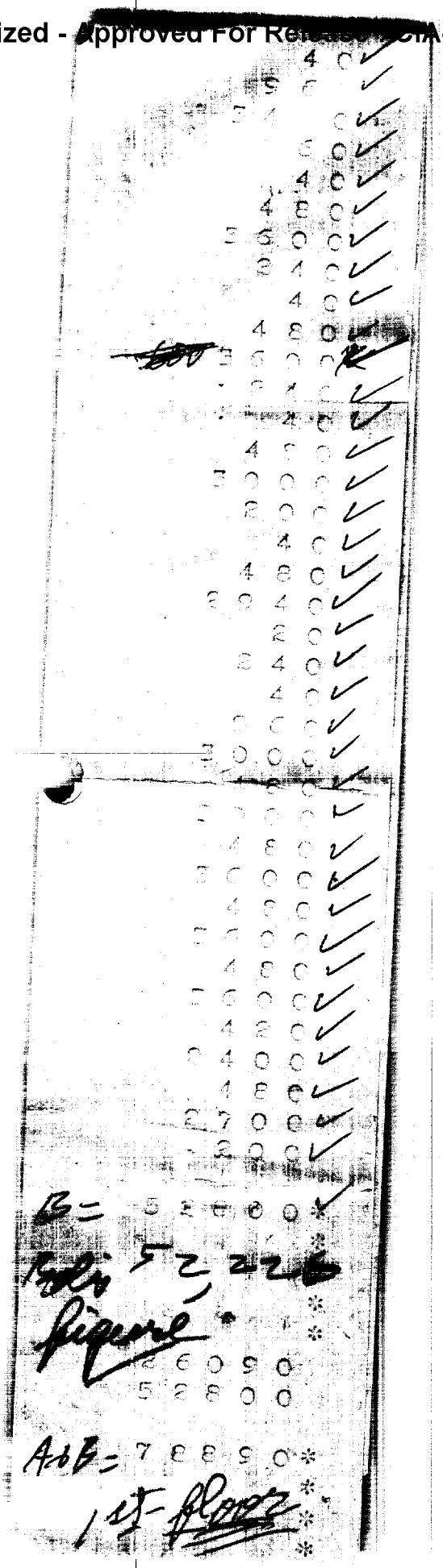

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1ST. FLOOR.

AISLE	DOUBLE FACED FIXED SEATS		DOUBLE FACED MOVABLE SEATS		SINGLE FACED FIXED SEATS		SINGLE FACED MOVEABLE SEATS		DOUBLE FACED MOVEABLE SEATS 36"		DOUBLE FACED FIXED SEATS 36"	
A-	7	420	48	2,880	0		0		12	480	2	80
B-	7	420	48	2,880	0		0		12	480	2	80
C-	7	420	48	2,880	0		0		12	480	2	80
D-	7	420	40	2,400	0		0		10	400	2	80
E-	7	420	48	2,880	0		0		12	480	2	80
F-	0		48	2,880	9	270	0		12	480	0	
G-	8	480	54	3,240	0		0		0		0	A
J	16	960	50	3,000	2	60	0		0		1	40
K	10	600	20	1,200	0		0		2	80	1	40
L	16	960	57	3,420	0		0		9	360	2-1	40
M	8	480	60	3,600	0		0		6	240	1	40
N	8	480	60	3,600	0		0		6	240	1	40
P	8	480	50	3,000	0		0		5	200	1	40
Q	8	480	49	2,940	1	20	0		6	240	1	40
R	16	960	50	3,000	0		0		0		0	
S	8	480	50	3,000	0		0		0		0	
T	8	480	60	3,600	0		0		0		0	B-
U	8	480	60	3,600	0		0		0		0	
V	8	480	60	3,600	0		0		0		0	
W	8	420	40	2,400	0		0		0		0	
X	8	480	45	2,700	0		0		5	200	0	

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25X1A5a1
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NEW SHELVING - TOTAL JOB	804,000-		
AREA - D	334,800-		
AREA - C	209,500-		
AREA - B	335,400-		
AREA - A	237,500-		
USE EXISTING SHELVING TOTAL AREA	663,500-	$1,057,300	793,000-
AREA - D		4 290,500	205,000-
AREA - C		3 298,000	191,000-
AREA - B		3 290,500	205,000-
AREA - A		4 178,300	192,500-
INCREASE FILE SPACE TOTAL AREA	53,000		50,000-

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Total [redacted] 76,000 square feet
additional shelving - 53,000-

25X1A5a1

	Present	Proposed	Increase	Secti-
D	32,190	53,276	21,000	350
C	21,720	27,440	6,000	~~28~~
B	35,280	52,800	17,000	284
A	17,610	26,090	9,000	

Cost-
~~B.~~ S Shelving Bldg. Modification Contract Sched. Inspection

D $19,600

C.C

B

A

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5-26-69

First Floor

D.F. Fixed 161

D.F. movable 1149

1310

20 Shelves 20

26,200

3 Bays 3

78,600 Bays

S.F. Fixed 9

S.F. Movable 24

33

X 10 Shelves 10

330

X 3 Bays 3

990 Bays

S.F. Movable 24

X 10 Shelves 10

240

X 3 Bays 3

720 Bays

D.F. Movable 30" Bay 10

X 20 Shelves 20

200

X 2 Bays 2

400 Bays.

78,600

990

~~720~~

400

79,990 Bays

102 Bays

79,888 Total Bays

Less Shelves for motors, ducts etc. 34 Shelves

X 3 Bays 3

102 Bays.

25X1A5a1

[redacted] Plan 79,888 Bays

Existing Capacity 52,860 Bays

27,028 Increase of Bays = approx. 51%

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Second Floor

D.F. Fixed 164 S.F. Fixed 18 D.F. movable 30" sect. 12

D.F. movable 1103 S.F. movable 24

1267 42

X 20 shelves 20 X 10 shelves 10 X 20 shelves 20

25,340 420 240

X 3 Boxes 3 X 3 Boxes 3 X 2 Boxes 2

76,020 Boxes 1260 Boxes 480 Boxes

76,020

1,260

480

77,760 Boxes

— 129 Boxes

77,631 Total Boxes

Less shelves for motors, ducts etc. 43 shelves

X 3 Boxes 3

129 Boxes

25X1A5a1

[redacted] Plans 77 631

Existing Capacity 50,640

26,991 Increase of Boxes = Approx. 53%

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D. — 2nd fl. addition [redacted]
C. 2nd fl. map negs. (not tanks)
B. 1st fl. addition
A 1st fl. old [redacted]

D C a little over half

C & D 56,000 (smaller processing area) (upper level)

A & B 50,000 larger processing area, (lower level)

Can't put tape material on second floor.

Most all double shelving on 1st floor.

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Prices Estimated ~~Final~~ ~~Bid~~ ~~Opening~~ April 1970

TOTAL BLDG. 1824 Seats
+930

~~Hardware~~ ~~Equipment~~ $523,500.-

Flooring 80,000.-

Tear Down
Erect etc. } 60,000.-

Total $663,500.-

Includes lights, concrete, etc.

If we produce the 930 Seats
deduct $37,200 (Total 626,300.-)

Individual Area Cost (excludes Egg costs)

"D" $ ~~1,800.~~ — 271,050.-

"C" - ~~1,500.~~ — 175,750.-

"B" - ~~3,400.~~ — 270,900.-

"A" - ~~3,000.~~ — 162,500.-

If we deduct D&B $ 441,950.-

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D-6C

271,050
175,750
$446,800
- 58,000
$388,800

D-6B

271,050
270,900
$541,950

D-6 K pkg.

$470,250

13% $71,000 Savings

$541,950
470,250
$71,706

541,000 | 70000.00
541000
159000
12000

532,000 Total allocation
83,000 Butler Bldg

446,800
- 13

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	Present	Proposed	Increase	Increase
D&C	~~52,704~~	~~53,516~~		
	21,720	27,440	26,806	50%
	53,910	80,716		
D&A	49,800	79,366	29,566	59%
B&C	57,000	79,666	22,666	40%
B&A	52,890	78,316	25,426	48%

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